

## EAST Search History

| Ref # | Hits  | Search Query  | DBs                       | Default Operator | Plurals | Time Stamp          |
|-------|-------|---|---------------------------|------------------|---------|---------------------|
| S3    | 18    | ("6254990" "6228930" "6071976" "5380808" "5264495" "5250640" "5244735" "5145906" "5124416" "4985518" "4973632" "4873299" "4683274" "4625001" "4446261" "4367323" "4286082" "4093776").<br>pn. | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2008/04/03<br>17:28 |
| S4    | 18    | ("6254990" "6228930" "6071976" "5380808" "5264495" "5250640" "5244735" "5145906" "5124416" "4985518" "4973632" "4873299" "4683274" "4625001" "4446261" "4367323" "4286082" "4093776").<br>pn. | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2008/04/07<br>11:09 |
| S5    | 2     | S4 and "unsaturated monomer" and "acid group" and "zinc"  | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2008/04/07<br>11:09 |
| S9    | 1     | "20060189738".pn.   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2008/04/07<br>13:42 |
| S10   | 11    | "5684106"   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2008/04/07<br>15:04 |
| S12   | 23117 | WADA  | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2008/04/07<br>15:07 |
| S13   | 6567  | Wada.in.  | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2008/04/07<br>15:07 |
| S16   | 29    | S13 and "Water absorbent resin"   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2008/04/07<br>15:08 |
| S17   | 6     | S4 and zinc   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2008/04/07<br>15:38 |
| S18   | 69550 | oxide and hydrate   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2008/04/07<br>16:16 |
| S19   | 30172 | S18 and zinc  | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2008/04/07<br>16:16 |
| S20   | 24544 | S19 and (aluminum or silicon)   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2008/04/07<br>16:17 |
| S21   | 1246  | water-absorbent and resin   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2008/04/07<br>16:17 |
| S22   | 69    | S21 and S20   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2008/04/07<br>16:17 |

|     |       |                                  |                           |    |    |                     |
|-----|-------|----------------------------------|---------------------------|----|----|---------------------|
| S25 | 20    | S22 and (hydrophilic WITH fiber) | US-PGPUB;<br>USPAT; USOOR | OR | ON | 2008/04/07<br>16:20 |
| S26 | 24    | S22 and (plant)                  | US-PGPUB;<br>USPAT; USOOR | OR | ON | 2008/04/07<br>16:20 |
| S27 | 16    | S25 and S26                      | US-PGPUB;<br>USPAT; USOOR | OR | ON | 2008/04/07<br>16:20 |
| S28 | 13327 | absorbent SAME resin             | US-PGPUB;<br>USPAT; USOOR | OR | ON | 2008/04/07<br>16:37 |
| S29 | 69550 | oxide and hydrate                | US-PGPUB;<br>USPAT; USOOR | OR | ON | 2008/04/07<br>16:38 |
| S30 | 21726 | oxide same hydrate               | US-PGPUB;<br>USPAT; USOOR | OR | ON | 2008/04/07<br>16:39 |
| S31 | 4311  | S30 same zinc                    | US-PGPUB;<br>USPAT; USOOR | OR | ON | 2008/04/07<br>16:39 |
| S32 | 2454  | S31 SAME (aluminum or silicon)   | US-PGPUB;<br>USPAT; USOOR | OR | ON | 2008/04/07<br>16:40 |
| S33 | 61    | S28 and S32                      | US-PGPUB;<br>USPAT; USOOR | OR | ON | 2008/04/07<br>16:40 |
| S34 | 2     | "11116829"                       | JPO; DERWENT              | OR | ON | 2008/04/07<br>18:54 |
| S35 | 1     | 1999-323724.NRAN.                | DERWENT                   | OR | ON | 2008/04/07<br>18:54 |
| S36 | 2     | "11049971"                       | JPO; DERWENT              | OR | ON | 2008/04/07<br>18:55 |
| S37 | 1     | 1999-210990.NRAN.                | DERWENT                   | OR | ON | 2008/04/07<br>18:56 |
| S38 | 2     | "10298442"                       | JPO; DERWENT              | OR | ON | 2008/04/07<br>18:57 |
| S39 | 1     | 1999-040904.NRAN.                | DERWENT                   | OR | ON | 2008/04/07<br>18:58 |
| S40 | 2     | "11148023"                       | JPO; DERWENT              | OR | ON | 2008/04/07<br>18:59 |
| S41 | 2     | "01005546"                       | JPO; DERWENT              | OR | ON | 2008/04/07<br>19:00 |
| S42 | 2     | "60158861"                       | JPO; DERWENT              | OR | ON | 2008/04/07<br>19:03 |
| S43 | 2     | "11241030"                       | JPO; DERWENT              | OR | ON | 2008/04/07<br>19:03 |
| S44 | 2     | "02041155"                       | JPO; DERWENT              | OR | ON | 2008/04/07<br>19:04 |
| S45 | 2     | "01005546"                       | EPO; JPO;<br>DERWENT      | OR | ON | 2008/04/07<br>19:06 |
| S46 | 1     | 1988-259007.NRAN.                | DERWENT                   | OR | ON | 2008/04/07<br>19:07 |
| S47 | 2     | "10147724"                       | EPO; JPO;<br>DERWENT      | OR | ON | 2008/04/07<br>19:10 |

|     |         |  |                      |    |    |                     |
|-----|---------|--|----------------------|----|----|---------------------|
| S48 | 1       | 1998-371180.NRAN.  | DERWENT              | OR | ON | 2008/04/07<br>19:10 |
| S49 | 2       | "08176338"   | EPO; JPO;<br>DERWENT | OR | ON | 2008/04/07<br>19:11 |
| S50 | 1       | 1996-309557.NRAN.  | DERWENT              | OR | ON | 2008/04/07<br>19:12 |
| S51 | 1       | 1998-371180.NRAN.  | DERWENT              | OR | ON | 2008/04/07<br>19:18 |
| S52 | 2       | "11241030"   | EPO; JPO;<br>DERWENT | OR | ON | 2008/04/07<br>19:20 |
| S53 | 1       | 1999-555154.NRAN.  | DERWENT              | OR | ON | 2008/04/07<br>19:20 |
| S54 | 2411289 | water  | EPO; JPO;<br>DERWENT | OR | ON | 2008/04/08<br>09:00 |
| S55 | 2337    | water SAME absorbent<br>SAME resin   | EPO; JPO;<br>DERWENT | OR | ON | 2008/04/08<br>09:02 |
| S56 | 15472   | water SAME absorb\$<br>SAME resin  | EPO; JPO;<br>DERWENT | OR | ON | 2008/04/08<br>09:03 |
| S57 | 467     | oxide same hydrate<br>same zinc  | EPO; JPO;<br>DERWENT | OR | ON | 2008/04/08<br>09:03 |
| S58 | 9280    | (hydroxide or oxide)<br>same (hydrate or<br>hydrated or water)<br>same zinc  | EPO; JPO;<br>DERWENT | OR | ON | 2008/04/08<br>09:07 |
| S59 | 9360    | hydroxide same zinc  | EPO; JPO;<br>DERWENT | OR | ON | 2008/04/08<br>09:07 |
| S60 | 1059    | (S58 or S59) and<br>complex  | EPO; JPO;<br>DERWENT | OR | ON | 2008/04/08<br>09:08 |
| S61 | 2802    | S58 and S59  | EPO; JPO;<br>DERWENT | OR | ON | 2008/04/08<br>09:08 |
| S62 | 109883  | superabsorbent or<br>hydrogel or absorbent<br>or (\$5absorbent or<br>\$5absorbing or swelling<br>or swellable) near2<br>(polymer or agent or<br>resin) | EPO; JPO;<br>DERWENT | OR | ON | 2008/04/08<br>09:21 |
| S63 | 9280    | (hydroxide or oxide)<br>same (hydrate\$2 or<br>water) same zinc  | EPO; JPO;<br>DERWENT | OR | ON | 2008/04/08<br>09:21 |
| S64 | 706884  | silicon silica (silicon adj<br>\$2oxide)   | EPO; JPO;<br>DERWENT | OR | ON | 2008/04/08<br>09:22 |
| S65 | 1349548 | aluminum oxide or<br>alumina   | EPO; JPO;<br>DERWENT | OR | ON | 2008/04/08<br>09:22 |
| S66 | 1373196 | aluminum oxide or<br>alumina al2o3 ("al.<br>sub.2" "o.sub.3")  | EPO; JPO;<br>DERWENT | OR | ON | 2008/04/08<br>09:23 |

|     |         |  |                        |    |    |                  |
|-----|---------|--|------------------------|----|----|------------------|
| S67 | 754807  | silicon silica (silicon adj \$2oxide) sio2 "sio. sub.2"  | EPO; JPO; DERWENT      | OR | ON | 2008/04/08 09:24 |
| S68 | 232981  | zinc zno hydrated "zinc oxide" "zinc hydroxide"  | EPO; JPO; DERWENT      | OR | ON | 2008/04/08 09:25 |
| S69 | 127427  | S68 and (S64 S65 S66 S67)  | EPO; JPO; DERWENT      | OR | ON | 2008/04/08 09:25 |
| S70 | 8459    | S69 and S63  | EPO; JPO; DERWENT      | OR | ON | 2008/04/08 09:26 |
| S71 | 235     | S62 AND S70  | EPO; JPO; DERWENT      | OR | ON | 2008/04/08 09:26 |
| S72 | 1       | 1975-18625W.NRAN.  | DERWENT                | OR | ON | 2008/04/08 09:32 |
| S73 | 1       | 1987-338584.NRAN.  | DERWENT                | OR | ON | 2008/04/08 09:46 |
| S74 | 1       | 1987-338584.NRAN.  | DERWENT                | OR | ON | 2008/04/08 09:46 |
| S75 | 1       | 1990-271068.NRAN.  | DERWENT                | OR | ON | 2008/04/08 09:52 |
| S76 | 1       | 1994-329058.NRAN.  | DERWENT                | OR | ON | 2008/04/08 09:59 |
| S77 | 1       | 2003-123175.NRAN.  | DERWENT                | OR | ON | 2008/04/08 10:19 |
| S78 | 1       | 2003-497525.NRAN.  | DERWENT                | OR | ON | 2008/04/08 10:23 |
| S79 | 205345  | superabsorbent or hydrogel or absorbent or (\$5absorbent or \$5absorbing or swelling or swellable) near2 (polymer or agent or resin) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/08 10:26 |
| S80 | 59910   | (hydroxide or oxide) same (hydrate\$2 or water) same zinc  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/08 10:27 |
| S81 | 1096343 | silicon silica (silicon adj \$2oxide)  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/08 10:27 |
| S82 | 1769233 | aluminum oxide or alumina  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/08 10:27 |
| S83 | 1791111 | aluminum oxide or alumina al2o3 ("al. sub.2" "o.sub.3")  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/08 10:28 |
| S84 | 510242  | zinc zno hydrated "zinc oxide" "zinc hydroxide"  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/08 10:29 |
| S86 | 1140654 | silicon silica (silicon adj \$2oxide) sio2 "sio. sub.2"  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/08 10:29 |
| S87 | 425770  | S84 and (S81 S82 S83 S86)  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/08 10:31 |

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|------|-------|--|---------------------------|----|----|---------------------|
| S88  | 56513 | S87 and S80  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/08<br>10:31 |
| S89  | 6831  | S88 and S79  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/08<br>10:32 |
| S90  | 256   | S89 and sanitary   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/08<br>10:33 |
| S91  | 1016  | S89 and odor   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/08<br>11:59 |
| S92  | 558   | S91 and plant  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/08<br>12:00 |
| S93  | 4     | S92 and hydrophilic  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/08<br>12:01 |
| S94  | 408   | S92 and fibers   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/08<br>12:01 |
| S95  | 47    | "4677174"  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/09<br>15:20 |
| S96  | 1     | "4677174".pn.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/09<br>15:20 |
| S97  | 5     | ("6951895" "6350710"<br>"5585170" "6221460"<br>"5308896" "5589256").<br>pn.  | EPO; JPO;<br>DERWENT      | OR | ON | 2008/04/09<br>15:46 |
| S98  | 9     | ("20050228350"<br>"20050112979"<br>"20050080182"<br>"7163969"<br>"20050027268"<br>"20050008608"<br>"20040122394"<br>"6888044"<br>"20040078015"<br>"20020150761"<br>"6720073"<br>"20030219594"<br>"20020150761"<br>"6720073").pn. | EPO; JPO;<br>DERWENT      | OR | ON | 2008/04/09<br>16:06 |
| S99  | 2     | S98 and Favor  | EPO; JPO;<br>DERWENT      | OR | ON | 2008/04/09<br>16:16 |
| S100 | 1535  | 524/413.cds.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/10<br>10:33 |
| S101 | 78    | S100 and (absorbent or<br>hydrogel)  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/10<br>10:34 |
| S102 | 47    | S101 and zinc  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/10<br>10:34 |
| S103 | 26    | S101 and (zinc SAME<br>(aluminum or silicon))  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/10<br>10:35 |
| S104 | 47    | S101 and (zinc or zn)  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/10<br>10:57 |
| S105 | 425   | S100 and (absorb\$4 or<br>hydrogel)  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/10<br>10:58 |

|      |     |   |                           |    |    |                     |
|------|-----|---|---------------------------|----|----|---------------------|
| S106 | 425 | S100 and (superabsorb \$4 or absorb\$4 or hydrogel)   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/10<br>10:58 |
| S107 | 2   | S100 and (superabsorb \$4)  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/10<br>10:59 |
| S108 | 242 | S106 and (zinc or zn)   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/10<br>10:59 |
| S109 | 160 | S106 and (zinc same ((aluminum or alumina al2o3 ("al.sub.2" near "o.sub.3")) or (silicon silica (silicon adj \$2oxide) sio2 "sio.sub.2")))) | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/10<br>11:07 |
| S110 | 63  | S109 and complex  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/04/10<br>11:08 |
| S120 | 1   | "01005546"  | EPO; DERWENT              | OR | ON | 2008/04/10<br>15:11 |

4/ 11/ 2008 9:20:23 AM

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